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*A/1*

WHAT IS CLAIMED IS:

1. An electromotive device used in an oil, said electromagnetic device comprising:
  - an outer casing;
  - a moveable shaft supported by said outer casing;
  - a bobbin disposed inside said outer casing so as to be disposed around said moveable shaft on a common axis with said moveable shaft; and
  - a coil embedded in an outer molding, said coil being constructed by winding a conducting wire onto said bobbin,  
wherein said conducting wire is constituted by a copper wire, and an electrically-insulating layer coated on said copper wire, said electrically-insulating layer being composed of a material resistant to permeation by sulfur compounds.
2. The electromotive device according to Claim 1 wherein said bobbin and said outer molding are composed of a thermosetting resin.)